

## PLANT NOTES FROM ILLINOIS

GLEN S. WINTERRINGER

Several plant species of western United States have made their way into Illinois and have apparently become established, e.g., *Froelichia gracilis* (Hook.) Moq., *Callirhoe involucrata* (T. & G.) A. Gray, *Salvia pitcheri* Torr., *Salvia reflexa* Hornem. and several others. The newest arrival is *Phlox gracilis* (Hook.) Greene which according to William A. Weber is, "a common but inconspicuous weedy annual of the mesas and foothills". Such a habitat sounds strange when applied to plants collected in Illinois for this little weed was found in mid-May growing along the shoulder of a main highway west of Niantic in Macon County. It seems likely to the writer that this small weedy annual may have grown in the area for some time and has been overlooked. It would be interesting to know how the plant actually arrived in the Illinois area. In these days of superhighways and transcontinental travel it is not surprising that seeds or even plants are transported from one corner of the continent to another. What may be more important is the ability of a species, even a weed, to adapt itself in this new locality. Continued observations of this weedy Phlox will be made during subsequent growing seasons. Collection data. Macon Co.: May 12, 1957, shoulder of Highway No. 36, 2½ mi. W. of Niantic, G. S. Winterringer 14003. Another collection same locality May 16, 1957, G. S. Winterringer 14001, 14002. Specimens are in herbaria of the following: Illinois State Museum, Illinois Natural History Survey, and the University of Colorado.

The following items are listed either (a) they are new for the state or (b) they are very infrequently collected plants in Illinois. The writer expresses thanks to R. T. Rexroat of Virginia, Illinois, for his contribution of excellent botanical specimens.

## SPECIES NEW TO THE STATE

*SCLERIA RETICULARIS* Michx. Cass Co.: east of Beardstown, Sept. 14, 1956, in sand at edge of peaty sand hole, R. T. Rexroat 3438. Specimen verified by Earl T. Core. In August, 1957, Rexroat reported an abundance of this species in the same area.

*FALCARIA SIOIDES* (Wibel) Aschers. Schuyler Co.: 2 mi. W. of Frederick, June 28, 1955, moist soil, R. T. Rexroat 1800. Verified by



Mildred E. Mathias. This species was not recently observed in the same area.

#### INFREQUENTLY COLLECTED PLANTS

*ARISTIDA DESMANTHA* Trin. & Rupr. Morgan Co.: Oct. 12, 1956, E. of Meredosia; dry and sandy, *R. T. Rexroat* 3516, 3517. Cass Co.: Sept. 14, 1956, E. of Beardstown; sand, *R. T. Rexroat* 3434, 3435. Mason Co.: Oct. 9, 1955, W. of Saidora, sand, *R. T. Rexroat*, 2426, 2403, 2427, 2428. Oct. 18, 1954, with no definite county locality, dry sand, not common, *R. T. Rexroat* 1294. The Mason Co. specimens verified by Jason R. Swallen. Originally collected in Illinois by M. S. Bebb in 1861. Since that time it was collected by V. H. Chase in 1929 and by H. E. Ahles in 1950. The Morgan and Cass County locations are new.

*ECHINODORUS PARVULUS* Engelm. Cass Co.: Aug. 13, 1957, E. of Beardstown, moist peaty sand, *R. T. Rexroat* 4150, 4151, 4152. The collector reported numerous plants of this species in the area. Previous Cass and Mason County records are indefinite. A collection was made in St. Clair County in 1892.

*ZIZANIA AQUATICA* L. Mason Co.: Aug. 19, 1956, S. of Havana; in shallow spring water, *R. T. Rexroat* 3225, 3226. The reason for reporting these collections is the apparently unusual length of the culms which, according to the collector, were from 11 to 13 ft. in length. Leaves, near the upper part of the culm, 2 in. wide and wider on the lower part.

*TRADESCANTIA BRACTEATA* Small. Mason Co.: May 31, 1953, SW. part of the county, in sand and sun, fls. blue, *R. T. Rexroat* 182, and same date, fls. rose, *R. T. Rexroat* 763.

*TRILLIUM RECURVATUM*, forma *SHAYI* Palmer & Steyerl. Cass Co.: May 14, 1953, NE. of Virginia in woods, *R. T. Rexroat* 85.

*IRIS BREVICAULIS* Raf. Morgan Co.: June 15, 1955, 10 mi. NW. of Jacksonville, wooded clay hillside, *R. T. Rexroat*, 2008. Cass Co.: June 6, 1955, NE. of Virginia, clayey woods, *R. T. Rexroat* 2001. Same locality June 8, 1955, *R. T. Rexroat* 2002, 2003, 2004. Same locality July 22, 1955, *R. T. Rexroat* 2005, 2006, 2007 (with capsules).

*RUBUS LACINIATUS* Willd. Mason Co.: July 14, 1957, E. of Bath, on a small sand dune with wild plum, *R. T. Rexroat* 3981, 3982.

*RUBUS PHOENICOLASIUS* Maxim. Morgan Co.: May 31, 1956, 5 mi. SE. of Meredosia, *R. T. Rexroat* 2735. June 14, 1955, W. of Arenzville, *R. T. Rexroat* 1776, 1777. This introduced *Rubus* has been regarded previously as not established in Illinois. At the Arenzville locality the plants were abundant and thoroughly established over a considerable area.

*LOTUS CORNICULATUS* L. Cass Co.: June 4, 1953, sand, *R. T. Rexroat* 201. July 17, 1953, fence row in full sun, *R. T. Rexroat* 383. Mason Co.: July 8, 1956, 5 mi. S. of Havana, dry, peaty sand, *R. T. Rexroat* 2988. Brown Co.: August 30, 1956, N. of Cooperstown, clay hillside, *R. T. Rexroat* 3344.



*CALLIRHOE INVOLUCRATA* (T. & G.) A. Gray. Schuyler Co.: July 25, 1956, N. of Browning, clay; roadside, stems trailing 2–3 ft., *R. T. Rexroat* 3099, 3100.

*ECHIUM VULGARE* L. Schuyler Co.: June 28, 1955, 3 mi. S.W. of Frederick, clay hillside in pasture, *R. T. Rexroat* 1807, 1808, 1809. A few plants were observed in July 1957.

*TRICHOSTEMA DICHOTOMUM* L. Cass Co.: Sept. 17, 1953, no definite locality, moist sand, *R. T. Rexroat* 684. Aug. 19, 1954, peaty sand, dry or moist, *R. T. Rexroat* 1358, 1102. Sept. 8, 1955, 4 mi. E. of Beardstown, in peaty sand, *R. T. Rexroat* 2285, 2286. In these Cass County localities this species was abundant.

*SALVIA PITCHERI* Torr. Cass Co.: Sept. 11, 1954, near Virginia, dry soil, full sun, *R. T. Rexroat* 1359. Sept. 11, 1954, along R. R. tracks in full sun, perennial with several stems, *R. T. Rexroat* 1188. Sept. 10, 1954, R. R. tracks in full sun, *R. T. Rexroat* 1189. Sept. 23, 1955, near Virginia, dry clay soil, *R. T. Rexroat* 2372, 2371, 2370. Plants of the areas cited above have been destroyed but specimens transplanted to Rexroat's garden were in good condition in July 1957.

*SALVIA REFLEXA* Hornem. Woodford Co.: Aug. 6, 1957, 4 mi. S. of El Paso in an old pastured area, *G. S. Winterringer* 13818, 13819. The abundance of this adventive western sage in this locality was surprising. It was the dominant species over approximately an acre.

*MENTHA ALOPECUROIDES* Hull. Schuyler Co.: July 25, 1956, N. of Browning, clay soil, spreads by stolons, *R. T. Rexroat* 3102, 3103. Specimens transplanted to Rexroat's garden in 1956 are now thriving.

*MIMULUS GEYERI* Torr. Mason Co.: May 13, 1956, 5 mi. S. of Havana, growing in a spring-fed creek in an inch of water, forming a dense mat, *R. T. Rexroat* 2612.

All specimens cited in this paper are deposited in the Illinois State Museum Herbarium.—ILLINOIS STATE MUSEUM, SPRINGFIELD, ILLINOIS.